

ABSTRACT

A grip device for an artificial or prosthetic arm, including at least two opposable digits and a drive linkage powered by a drive motor. When the drive motor is powered it enables the two opposable digits to grip. The drive linkage includes a drive and transmission attached to the drive motor. A backlock is connected to the drive and transmission. Surrounding the backlock is a backlock housing which contains the drive, selected transmission elements, and a backlock. A stop element is also included for holding the backlock housing fixed with respect to ground. The stop element can be released to allow the backlock housing to move freely and to avoid power transmission without disrupting the operating structure of the transmission.

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